Weather Response Traffic Information (WxTINFO)

HOW COULD THIS HELP?

- Improves work zone safety during severe weather events

HOW DOES THIS WORK?

- An application could use connected vehicle data and communications systems to enhance the operation of variable speed limit systems and improve work zone safety during severe weather events.

INVESTMENT

- V2X Roadside Unit Cost per Mile - Freeways: $52,000
- V2X Roadside Unit Cost per Intersection - Signalized Corridors: $26,000
- V2X Signal Controller Cost per Intersection - Signalized Corridors: $10,000
- Fiber Optics Cost per Mile: $158,000

TRANSPORTATION NEEDS ADDRESSED

ROAD WEATHER

V2I

SAFETY

SOLUTION IMPROVEMENTS

- Unoptimized variable speed limit systems
- Work zone safety

SOLUTION PITFALLS

- Infrastructure and vehicle must be V2I equipped
- Dependent on volume of probe vehicles for data

Disclaimer: all content is for planning purposes only and published as of Summer 2020. Contact the author at shacav@mdot.maryland.gov with any questions or comments.